19 March 1957

USAF review(s) completed.

MEMORAND	UM TO THE FILE	•	25X1A2D2
FROM: SUBJECT:		to B March 1957 to to to Pertaining to Electronic Support and Maintenancents	25X1A9A 25X ²
1.	The following p	ersonnel are working with this project AMD OC-E	25X ²
	25X1A9A	C-E OC-E OC-E	
			25X1A5A1
25X1A9A		Major E. Hall, USAF (Elint) Major Shuane, USAF (Navigation) Major J. Beard, USAF (Project Officer) Lt. Kaplan, USAF (ECM) Lt. Bryant, USAF (ECM) Lt. Stanley, USAF (Navigation) Lt. Losey, USAF (Navigation)	
	The purposes of	the trip were to determine	
		A. Which types of shop equipment would be useful to this project;	25X ²
		B. To obtain suggestions from technical representatives relative to required floor and bench space, power requirements and test equipment;	
		C. To obtain suggestions from OC-E personnel relative to bench space and test equipment;	
25X1A	,	D. To obtain a list of all electronic equipment within	

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9.

brush recorder, 2 channel

stroboscope for servo testing (this stroboscope would also be useful with the Ampex eqpt.)

function generator (1 to 20 cps; square, sawtooth and sine waves for servo testing)

- C. Forty feet of test bench space, arranged in a Uconfiguration, are now in use and are sufficient for maintaining one set of equipment
- D. A normal size window is necessary to provide for radiating and picking up test landmarks at a distance of two or three miles
- E. Flight line testing of antennas requires a hydraulic rig providing 3000 psi-this should be available at any USAF field
- F. Power requirements:

28 volts D-C:-100 watts

208/120 volts, 400 cycles, 3 phase:-1700 VA, 9070 P.F.

120 volts, 60 cycles, 1 phase:-test eqpt.

25X1A5A1

- G. Partial list of test eqpt. already supplied by
 - 1 Tektronix Oscilloscope, Type 531
 - 1 H.P. Pulse Generator, Model 212A
 - 1 H.P. Vacuum Tube VM. Model 410B
 - 1 H.P. Microwave Power Meter, Model 4300
 - 1 Gertsch Peak Reading VM, VM-1
 - 1 Hickok Tube Tester, Model 600A
 - 1 Gertsch Peak Reading VM, VM-1

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9.		1 - Hickok Tube Tester, Model 600A
		1 - Bruno Multimeter, Model 70
25X1A5A1		l - Noise Figure Test Set (Special)
25X1A5A1		1 - Recorder Test Set (Special)
25X1A5A1		1 - T/R Crystal Test Meter (Special
		1 - VSWR Amplifier (Special)
25X1A 10. (future)	RADAN SYSTEM	
	A.	Eight feet of test bench space is satisfactory for the airborne equipment; plus additional space, preferably a cart, for test equipment
	В.	Power requirements:
		28 Volts D-C:-less than 1 ampere
		120 Volts, 400 cycles, 1 phase: -500VA
		120 Volts, 60 cycles, 1 phase: test eqpt.
		Tolerances for the 400 cycle equipment are 380 to 420 cycles, 108 to 121 volts.
	C.	Suggested test equipment:
		1 - TS147B/UP Radar Power and Sensitivity Meter
		1 - TS382D Audio Oscillator
		1 - TS148 Spectrum Analyzer, or UPM33
		1 - USM25 Synchroscope, or TS239/UP
		1 - TS268/U Crystal Tester
		1 - PSM6 Multimeter, or Simpson 260
		1 - UPM 36 Signal Generator (GPL)
		1 1000 UDI 100 on Cononel Pedio 1800A

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- 1 ME-6/U VTVM (Ballentine 300)
- 1 Preset Counter, Berkley EPUT Meter No. 5426-6 or Berkley General Purpose Counter No. 410
- D. The following equipment is needed for bench test work and could be purchased from GPL only:
 - 1 Bench Harness and Junction Box (ties system together for bench operation)
 - 1 Frequency Tracker Test Adapter (allows audio signal to be fed into unit to test power supply voltage, sensibility, ground speed and drift servas, etc.
 - 1 A-R-T Test Adapter (allows test reading of AGC, magnetron current, AFC)
 - 1 A-R-T Test Stand (allows antennas to be operated
 for a bench test)
 - 1 Extension Cable Set

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		As a part of						
25X1A5A								
	-	OC-E personr OC-E wareho			_	Cest Tool S	Set be fin:	ished

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